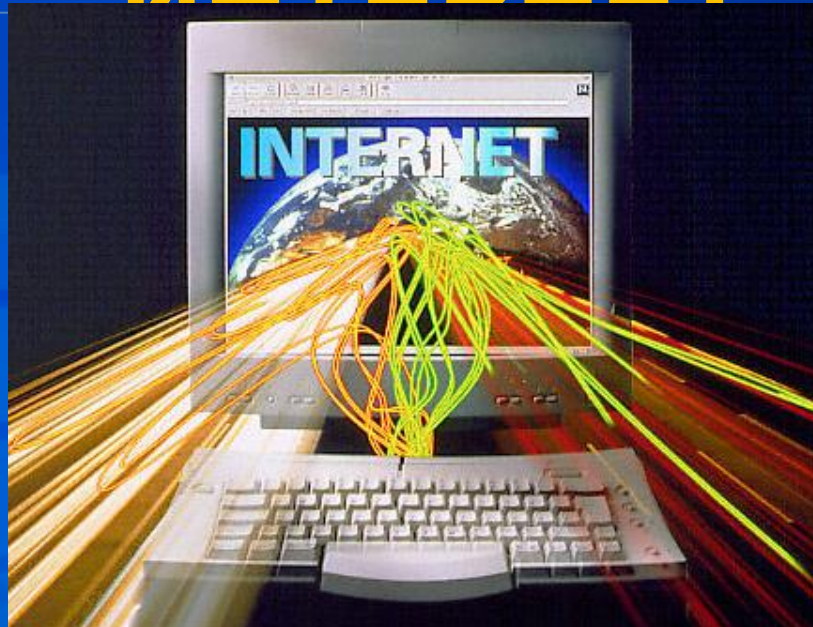


PIONER ОЗНАЧАВА ПЪРВИ! СЪЗДАТЕЛИТЕ НА ИНТЕРНЕТ



АКО НЕ ПОЗНАВАШ
ИСТОРИЯТА,

КАК ЩЕ ВЪРВИШ В
ВЪДЕЩЕТО?!

Dr. Stephen Drazhev, Multimedia in Education
ste@6plus4u.eu

6Plus4u 19:12



Водещ преподавател

ДОЦ. Д-Р СТЕФАН ДРАЖЕВ

КАБИНЕТ 510, 660-480

Personal Web Site:
<http://drazhev.com>

Dr. Stephen Drazhev, Multimedia in Education
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6Plus4 19:12

Кои са:



- Основните фигури, допринесли за създаването и развитието на Интернет
- Основните дати в развитието на Интернет
- Основните технологии в Интернет (Services)

Всяко научно достижение
е в резултат на стремежи
за военно надмощие...!



1957,
СПУТНИК

1958, (D)ARPA

ARPA - Advanced Research Projects Agency



Каква е целта? Създаване на мрежа от хетерогенни компютри...

On Distributed Communications Networks

PAUL BARAN, SENIOR MEMBER, IEEE

Summary—This paper¹ briefly reviews the distributed communication network concept in which each station is connected to all adjacent stations rather than to a few switching points, as in a centralized system. The payoff for a distributed configuration in terms of survivability in the cases of enemy attack directed against nodes, links or combinations of nodes and links is demonstrated.

A comparison is made between diversity of assignment and perfect switching in distributed networks, and the feasibility of using low-cost unreliable communication links, even links so unreliable as to be unusable in present type networks, to form highly reliable networks is discussed.

The requirements for a future all-digital data distributed network which provides common user service for a wide range of users having different requirements is considered. The use of a standard format message block permits building relatively simple switching mechanisms using an adaptive store-and-forward routing policy to handle all forms of digital data including digital voice. This network rapidly responds to changes in the network status. Recent history of measured network traffic is used to modify path selection. Simulation results are shown to indicate that highly efficient routing can be performed by local control without the necessity for any central, and therefore vulnerable, control point.

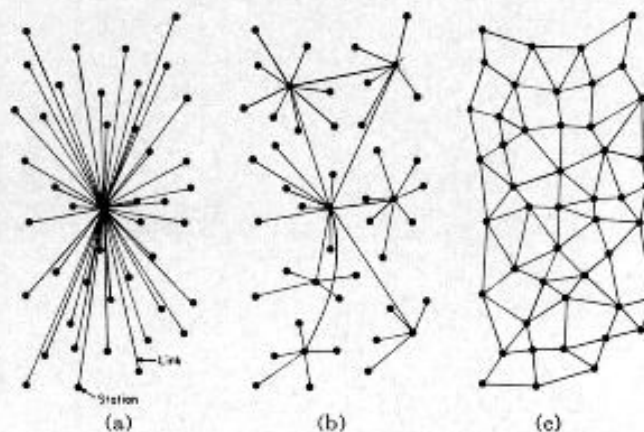


Fig. 1—(a) Centralized. (b) Decentralized. (c) Distributed networks.

loop. Such a network is sometimes called a “decentralized” network, because complete reliance upon a single point is not always required.

rogram Protocol (UDP)

Packet	
Header	14 bytes
Header	20 bytes
Header	8 bytes
Data	x bytes
Header Trailer	4 bytes

S4U 19:12 5

**Което не става с пари,
става с
(и с креативни хора!)**

1967

**Първата
Мрежа
От 4 комп**

Robert Kahn

**Инициатор на
ARPAnet
???Милиарди долара
за комп. мрежа**



Bolt, Beranek & Newman, Inc. (BBN) и началото на МММ Проект Information Message Processors

1970

Мрежа
От мини-
компютри

Frank Heart

BBN+Университети+
+ \$\$\$ = ARPAnet



I sent the first network email in 1971
using a program I wrote called
SNDMSG...

1971

СИМВОЛ

@

E-mail

Ray Tomlinson

SNDMSG and READMAIL



In 1977, Crocker, John Vittal, Kenneth Pogran, and D. Austin Henderson collaborated on a DARPA initiative to collect various email data formats into a **single**, coherent specification, resulting in [RFC 733](#)

ТСР/ІР- ГЛОБАЛНАТА МРЕЖА Е ФАКТ!

1974

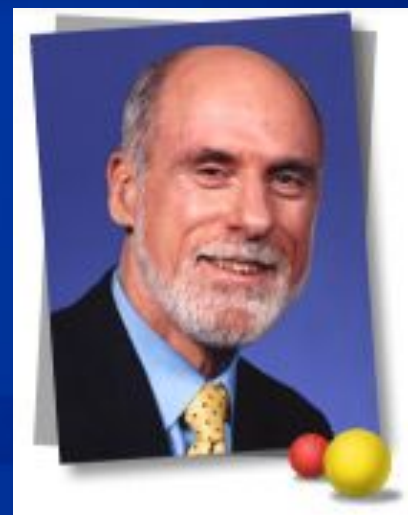
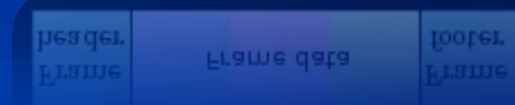
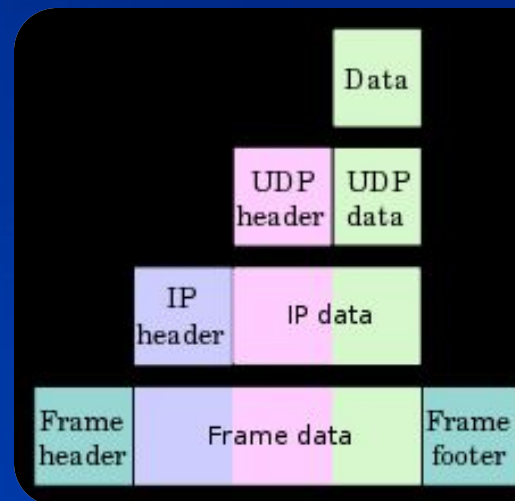
ДО ...

ТСР/ІР

CERF+КАНН

СЪЗДАТЕЛИТЕ...

Създаден и File Transfer Protocol (FTP) , подобрен от А.
McKenzie



ПРОТОКОЛИТЕ- универсалният език на Интернет

1976

Michael Lesk

UUCP

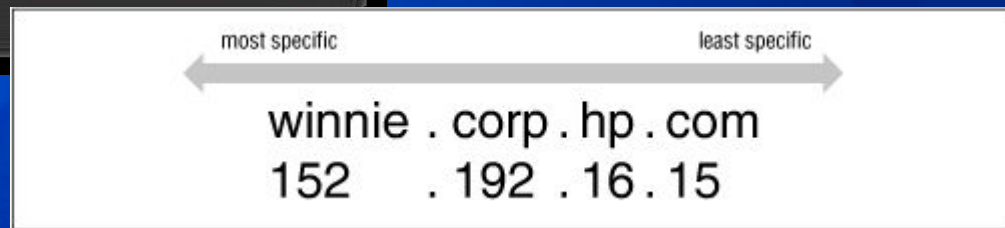
AT&T Bell Laboratories

Unix to Unix Copy Protocol



Потребителите не трябва да знаят точния “път” до отдалечените файлове...

1983
Name
Server



Една година по-късно: Domain Name System (DNS)

Perl – програмният език на Интернет

1987

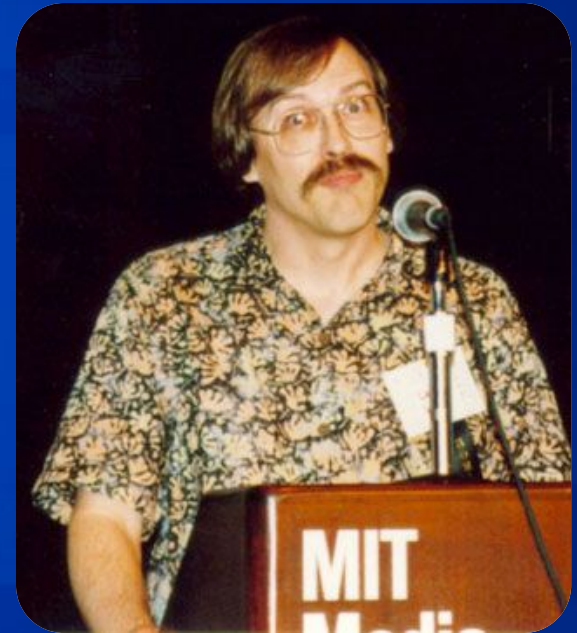
Perl

1.0

From PL/I to Perl

Larry Wall

Perl Foundation



The World Wide Web

1991
WWW

Tim
Berners-Lee
ВИЗУАЛИЗИРАЙ...



Net(e)scape... Mozilla

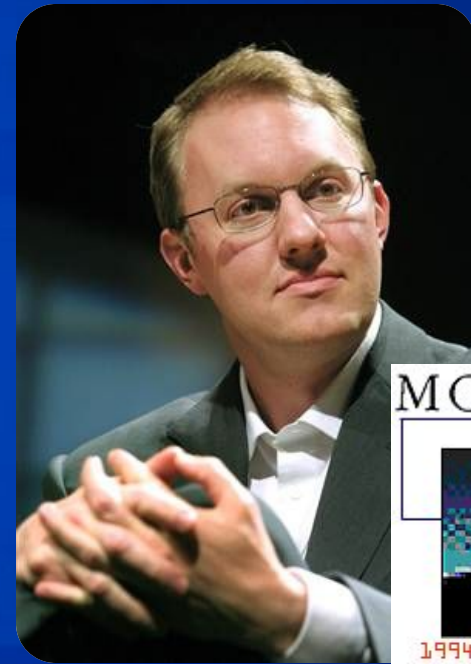
1992

WWW

Marc

Andreessen

Първият браузър



PHP – програмният език за SME-Интернет

1995

PHP

1.0

From C to PHP

Rasmus

Lerdorf

PHP+MySQL=

Динамични

Web

страници



JavaScript – скриптов език за (не-?) програмисти

1995
JS

Web-
програ-
миране
от страна
на клиента

Brendan
Eich

Java+
Mozilla
СЪЮЗ



програмирайте на този
език

и ще си намерите
работа навсякъде



1996

James Gosling

JDK 1.0

Patrick Naughton,

Mike Sheridan

Универсална

Програмна

J2EE SDK

Среда



GOOGLE... Search

GOOGOL... 1+100 "0"



1998

Larry Page

Sergey Brin

Индексирай...

Meta tags



Сега има
20,222
сътрудниц
и

[YouTube Student Channel](#)

HTML - Hyper Text Markup Language



```
<!DOCTYPE html>
<html>
  <head>
    <title>Hello HTML</title>
  </head>
  <body>
    <p>Hello World!!</p>
  </body> </html>
```

1999

10 години

HTML

4.01

Управление
на
“статичното”
Интернет
пространств

Съвременно Интернет програмиране – XML eXtensible Markup Language

.aspX

2001

**Пред-
ложен
стандар**

T

XML допълва HTML

**Jon Bosak
James Clark**

Да пренася,
Описва и
Съхранява
Данните



Microsoft dotNet =
= ASP.NET+ Windows +
+Web Services



2002
Net
Frame-
work
1.0

"Next-Generati
on Web
Services"
????

От Sun Java
Технология
към
СВОЯ (MS)
...



Adobe (Macromedia) RIA



• Dreamweaver

CS3

• Flash - Flex

CS4

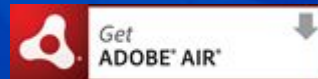
• Adobe AIR

[Jonathan Gay](#)

[Gary Grossman](#)

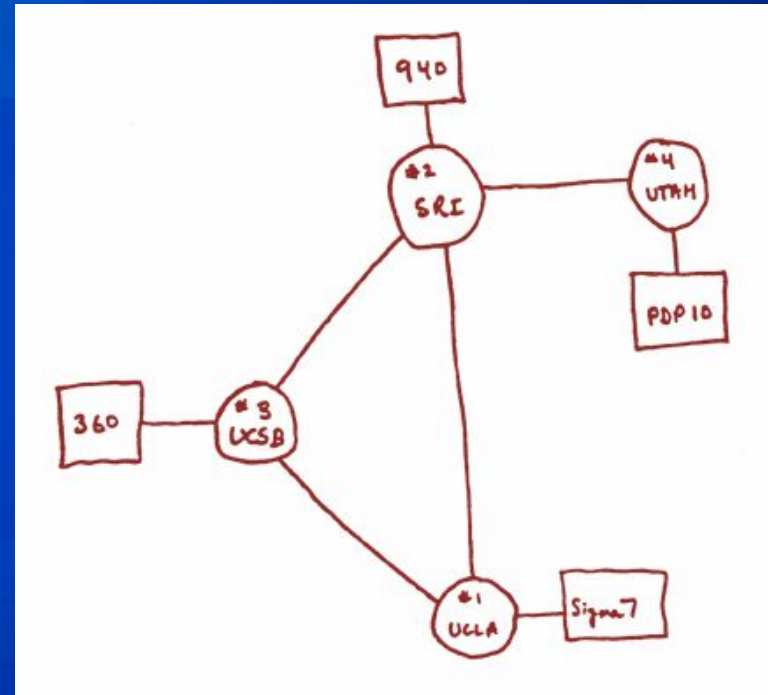


ActionScript



Още факти за Интернет

- Музей за развитието на компютърната наука в Бостон



4-node ARPANET diagram, 1969

- Nerds 2.0.1

Движение за свобода в Интернет

- GNU Project -
“Free software” is
a matter of liberty, not price.
To understand the concept,
you should think of “free”
as in “free speech”,
not as in “free beer”.



FREE SOFTWARE

Научете за развитието на Интернет у нас



Кой е **най-креативният** човек в ИКТ?

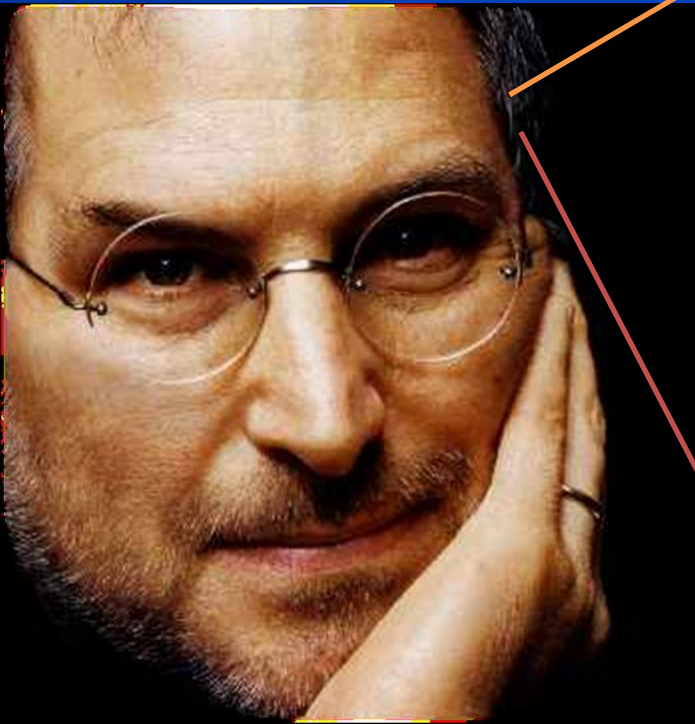


Стийв Джобс

Продукти, създадени от Джобс: Apple



Призив към студентите от Стенфорд:



Не губете
времето си!

“То е твърде
малко
в рамките на един
човешки живот...”

Лекция на Стийв Джобс, Стенфорд



Q/A ВЪПРОСИ?



Посетете

Dr. Stephen Drazhev, Multimedia in Education

stedranet.ning.com

6 Plus 4 19:12